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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Tadashi HAYAKAWA

Group Art Unit: 2645

Appl. No. : 09/645,334

Examiner: Roland G. Foster


Filed : August 25, 2000

Confirmation No.: 4037

For : POSITION DETECTING METHOD AND APPARATUS

Certificate of Transmission under 37 CFR 1.8

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COMPLETION OF RECORD

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*Sub
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4:56 pm.*

Sir:

On November 27, 2000, Applicants filed an Information Disclosure Statement in the above-captioned matter. In the Information Disclosure Statement, Japanese documents 6-14006; 10-505723 and 2915851 were brought to the Examiner's attention, copies thereof were provided to the Examiner, and a Form PTO-1449 was also provided.

During a telephone conversation with the Examiner, the Examiner indicated that he would consider Japanese document 10-322752, but would not consider the remaining documents, as he did not have Abstracts or translations in his file.

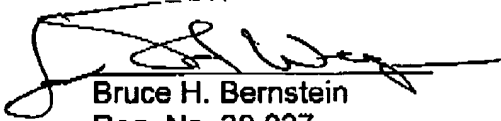
Accordingly, in order to complete the record regarding the above-identified documents, Applicant herewith attaches English language Abstracts of Japanese

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documents 6-14006; 10-505723 and 2915851.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Tadashi HAYAKAWA



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November 29, 2005
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PATENT ABSTRACTS OF JAP.

(11)Publication number : 10-032533

(43)Date of publication of application : 03.02.1998

51)Int.Cl.

H04B 7/216

G01S 5/14

H04B 7/155

H04B 7/185

H04Q 7/36

(21)Application number : 08-234775

(71)Applicant : NATL SPACE DEV AGENCY JAPAN(NASDA)

(22)Date of filing : 18.07.1996

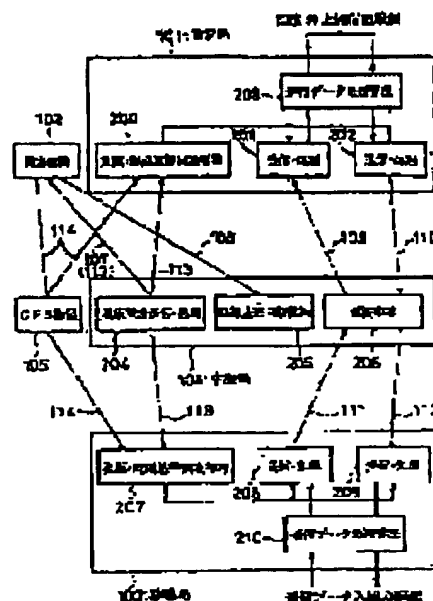
(72)Inventor : YAMAWAKI KOJI

(54) TIME-SYNCHRONOUS COMMUNICATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To improve efficiency of a communication line and to reduce interference probability of a communication radio wave by setting time synchronization between a fixed station and a mobile station and the transmitting/receiving timings of the side of the fixed station, selecting one of the transmitting/ receiving timings of the side of the fixed station reported to the side of the mobile station and transmitting/receiving based on it to allow the mobile station to select the opposed station of communication.

SOLUTION: The fixed station 101 communicates in two way with the mobile station 103 through the use of a receiving processing means 201 and a transmission processing means 202 based on a time reference maintained by a range and time reference synchronization maintaining means 200. The mobile station 103 communicates in two way with the fixed station 101 through the use of a receiving processing means 209 and a transmission processing means 208 based on a time reference maintained by a range and time reference synchronization maintaining means 207. A relay station 104 synchronizes-maintains the time reference with a fixed main station 102 and provides a ranging radio wave 113 to the mobile station by a time reference synchronization maintaining means 205 and a ranging radio wave transmission processing means 204.



LEGAL STATUS

[Date of request for examination]

18.07.1996

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

2915851

[Date of registration]

18.04.1999

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Corresponds to
JP 2915851

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File In: by fax

The Patent Office Date stamp hereon is an acknowledgement that, on the date indicated, the Patent Office received the following:

(X) Completion of Record

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(X) Copies of ENGLISH language Abstract of JP6-14006, 10-505723 & 2915851
 In the matter of : POSITION DETECTING METHOD AND APPARATUS

Applicant : Tadashi HAYAKAWA

Application No. : 09/645,334

Patent No. : 6,973,316

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